Specifications — VSC 500 Scan Converter

Video input

Number/signal type	1 RGBHV, RGBS, RGsB with 1 buffered loop-through
Connectors	(1) 15-pin HD for input, (1) 15-pin HD for loop-through
Nominal level	0.7 Vp-p for RGB
Minimum/maximum levels	0 V to 2.0 Vp-p with no offset at unity gain
Impedance	75 ohms
Horizontal frequency	Autoscan 24 kHz to 100 kHz
Vertical frequency	Autoscan 50 Hz to 120 Hz
Resolution range	Autoscan 560 x 384 to 1600 x 1200
Maximum DC offset	2.0 V

Video processing

Encoder	10 bit digital
Digital sampling	24 bit, 8 bits per color
Colors	16.8 million
Horizontal filtering	1 fixed level
Flicker filtering	4 levels (selectable)
Encoder filtering	4 levels

Video output

Number/signal type	1 RGBHV, RGBS, RGsB, or component video 1 S-video, 1 composite video (NTSC 15.75 kHz, 525 lines; or PAL, 15.5 kHz, 625 lines)
Connectors	5 BNC female: RGBHV/RGBS/RGsB/component video (1) 4-pin mini-DIN female: S-video 1 BNC female: NTSC/PAL composite video
Nominal level	0.7 Vp-p for RGB
Minimum/maximum levels	0.0 V to 1.0 Vp-p
Impedance	75 ohms

Sync

Input type	Autodetect RGBHV, RGBS, RGsB
Output type	RGBHV, RGBS, RGsB
Standards	NTSC 3.58, PAL
Input level	1.5 V to 5.0 Vp-p
Output level	TTL: 5.0 Vp-p, unterminated
Input impedance	600 ohms
Output impedance	75 ohms
Max. input voltage	5.0 Vp-p
Polarity	Negative

Control/remote — scan converter

Serial control port	RS-232 or RS-422, 9-pin female D connector
Baud rate and protocol	9600 baud, 8 data bits, 1 stop bit, no parity
Serial control pin configurations	2 = TX, 3 = RX, 5 = GND, 9 = hard-wired IR
IR controller module	VSC Remote
Program control	Extron's control/configuration program for Windows® Extron's Simple Instruction Set (SIS™)

General

Power	100 VAC to 240 VAC, 50/60 Hz, 40 watts, internal
Temperature/humidity	Storage -40° to +158°F (-40° to +70°C) / 10% to 90%, noncondensing Operating +32° to +122°F (0° to +50°C) / 10% to 90%, noncondensing

Specifications — VSC 500 Scan Converter, cont'd

Cooling .... Convection, no vents

Mounting

      Rack mount .... Yes, with optional 1U, 9.5" rack shelf, part #60-190-01 (RSU 129) or 60-604-01 (RSB 129)

Enclosure type .... Metal

Enclosure dimensions.................. 1.75" H x 8.75" W x 10.5" D (1U high, half rack wide)
(4.4 cm H x 22.2 cm W x 26.7 cm D)
(Depth excludes knobs.)

Product weight .... 2.4 lbs (1.1 kg)

Shipping weight .... 7 lbs (4 kg)

Vibration .... ISTA/NSTA 1A in carton (International Safe Transit Association)

Regulatory compliance

      Safety.................................... CE, CUL, UL

      EMI/EMC .... CE, C-tick, FCC Class A, ICES, VCCI

MTBF... 30,000 hours

Warranty.. 3 years parts and labor

NOTE *All nominal levels are at ±10%.*

NOTE *Specifications are subject to change without notice.*